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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty) (PCT Article 36 and Rule 70)

Applicant's or agent's file reference W1764-000000	FOR FURTHER ACTION	See Form PCT/IPEA/416			
International application No. PCT/JP2004/010546	International filing date (day/month/year) 16.07.2004	Priority date (day/month/year) 17.07.2003			
International Patent Classification (IPC) or national classification and IPC Int.Cl. 7 A61K31/4439, A61P1/00, 29/00 //C07D417/04					
Applicant OTSUKA PHARMACEUTI	CAL CO.,LTD.				

1.	Authority under Article 35 and transmitted to the applicant according to Article 36.				
2.	This REPORT consists of a total of sheets, including this cover sheet.				
3.			companied by ANNEXES, comprising:		
	а. Г	a total of	sheets, as follows:		
		and/	ets of the description, claims and/or drawings which have been amended and are the basis of this report of sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the ministrative Instructions).		
		beyo	ets which supersede earlier sheets, but which this Authority considers contain an amendment that goes ond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the optenental Box.		
	b. a total of (indicate type and number of electronic carrier(s)) containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).				
4.	This	report contains	indications relating to the following items:		
	V.	Box No. I	Basis of the report		
	Γ.	Box No. II	Priority		
	V	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
	Γ	Box No. IV	Lack of unity of invention		
	V	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
	Γ	Box No. VI	Certain documents cited		
	厂	Box No. VII	Certain defects in the international application		
	Γ	Box No. VIII	Certain observations on the international application		

Date of submission of the demand	Date of completion of this report			
28.12.2004	13.06.2005			
Name and mailing address of the IPEA/JP	Authorized officer	4C	3039	
Japan Patent Office	SATOSHI YASUKAWA			
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Telephone No. +81-3-3581-1101 Ext.	3452		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/010546

Box No.	I	Basis of the report		
1. With	twise i	i to the language, this report is based on the indicated under this item.		in which it was filed, unless
ı	This	eport is based on translations from the origina	al language into the following language	,
	Which	a is the language of a translation furnished international search (under Rules 12.3 and 23.	for the purposes of:	
	Ė	publication of the international application (ur		
	_	international preliminary examination (under		
			,	
2. With	h regar	d to the elements of the international applic	ation, this report is based on (replacem	ent sheets which have been
jurn and	are no	o the receiving Office in response to an invital it annexed to this report):	ion under Article 14 are referred to in th	is report as "originally filed"
₽ F		-		
14	the m	ternational application as originally filed/fur	mished	
	the de	escription:		
	pages		·	as originally filed/furnished
	pages		received by this Authority on	
	pages	<u> </u>	received by this Authority on	
٣	the ci	aims:		•
	pages			as originally filed/furnished
	pages		as amended (together with an	
	pages		received by this Authority on	
	pages		received by this Authority on	
	the di	rawings:		
	pages			as originally filed/furnished
	pages			
	pages		received by this Authority on	
_	a seq	uence listing and/or any related table(s) - sec	Supplemental Box Relating to Sequen-	ce Listing.
3. 🔽	The a	mendments have resulted in the cancellation	of:	·
•	Γ	the description, pages		
		the claims, Nos.		
		the drawings , sheets/figs		
		the sequence listing (specify):		
	Γ	any table(s) related to sequence listing (spe		
4. 🏲	made,	report has been established as if (some of) the since they have been considered to go bey 70.2(c)).	e amendments annexed to this report an	nd listed below had not been
	Γ	the description, pages		
	Γ	the claims. Nos		
		Also described at the 10° .	·	
	Γ	the sequence listing (monify).		
	Γ	any table(s) related to sequence listing (spe	ecify):	
* If item	4 appl	ies, some or all of those sheets may be marked		
		, mose sincis may be marked	super seach	

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/010546

Box No.	III Non-establishment of op	inion with regard to novelty, inventive step and indus	trial applicability
	stions whether the claimed invention le have not been examined in respe	n appears to be novel, to involve an inventive step (to be et of:	non obvious), or to be industrially
-	the entire international application		
D .	claims Nos.	4,5	
becau			
7	the said international application, o	r the said claims Nos. 4, 5 cr which does not require an international preliminary ex	
of t inte Exam	he human or animal ntional preliminar	laims 4 and 5 relates to a meth L body by therapy, which does y examination by an Internation a accordance with PCT Article	not require an onal Preliminary
-	the description, claims or drawings are so unclear that no meaningful o	(indicate particular elements below) or said claims Nos. pinion could be formed (specify):	
			;
		·	
		. •	
			•
Ē	the claims, or said claims Nos.		om on inchessorable account to
	by the description that no meaning	ful opinion could be formed.	are so inadequately supported
Ā	no international search report has b	een established for said claims Nos.	4,5
Γ	the nucleotide and/or amino acid Administrative Instructions in that:	sequence listing does not comply with the standard	provided for in Annex C of the
	the written form	has not been furnished	
		does not comply with the standard	
	the computer readable form	has not been furnished does not comply with the standard	•
_	the tables related to the music still-	The state of the s	La Audintent
,	for in Annex C-bis of the Adminis	and/or amino acid sequence listing do not comply with the trative Instructions in that the computer readable form:	ne technical requirements provided
	has not been furnished		
•	does not comply with the	echnical requirements	
Г	See Supplemental Box for further	details.	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/JP2004/010546

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicabil citations and explanations supporting such statement				
1. Statement				
Novelty (N)		Claims		YES
		Claims	1-3,6,7	NO
Inventive step (IS)		Claims		YES
		Claims	1-3,6,7	NO
Industrial appli	icability (IA)	Claims	1-3,6,7	YES
		Claims		NO

2. Citations and explanations(Rule 70.7)

D1 BANAN, A. et al, OPC-compounds prevent oxidant-induced carbonylation and depolymerization of the F-actin cytoskeleton and intestinal barrier hyperpermeability, Free Radical Biology & Medicine, 2001, Vol.30, No.3, p.287-298

claims 1-3,6 and 7

The subject matter of claims 1-3,6 and 7 neither appear to be novel nor to involve an inventive step in view of the Document 1 cited in the ISR.

Document 1 discloses that OPC-6535 (6-[2-(3,4-diethoxyphenyl)thiazol-4-yl]pyridine-2-carboxylic acid) may be used as a novel therapeutic agent for treatment of a variety of oxidative inflammatory intestinal disorders such as inflammatory bowel disease (see abstract), and Document 1 also discloses that enema administration of OPC compound could effectively scavenge oxidants (see p.296 right column).